

Date of Incident	Type of Incident	Corrective Action	Corrective Action Completion Date
2/4/2010	CD Flaring	WGS protective shutdown system testing procedures are being evaluated and modified to prevent a reoccurrence. Test procedures for similar equipment in the facility are also being evaluated to prevent similar occurrences on other equipment	2/19/2010
4/30/2010	CD Flaring	Process control engineers added a protective function that will alarm operators in response to a failure of analyzer 4AI102	5/6/2010
1/6/2011	CD Flaring	the 4 instrument air compressors have been reconfigured to have the 4 compressors on 3 different breakers	1/21/2011
2/26/2011	CD Flaring	a differential pressure tag and alarm has been added to measure the pressure drop across the exchangers with defined operator actions should the situation arise again	3/8/2011
1/18/2012	CD Flaring	Additional freeze protection reviews will be conducted. PSR will automate scheduling of additional winterization rechecks in November to ensure all freeze protection systems are working as designed.	11/1/2012
3/3/2012	CD Flaring	the failed equipment will be replaced as soon as possible	10/3/2012
12/19/2012	CD Flaring	maintain higher cooling water temperature on VPS exchanger	1/9/2013
3/24/2013	CD Flaring	Operations will investigate the possibility of routing the HTU1 column overhead gases to the other hydrocarbon recovery systems to remove condensable hydrocarbons from flare gases. Operations will also review startup/shutdown procedures to determine if other measures can be done to prevent this type of incident.	6/18/2014
5/13/2013	CD Flaring	The level alarm value on the overhead accumulator upstream of 11F114 (HTU-2 off gas amine absorber) was reduced.	6/13/2013
6/7/2013	CD Flaring	operations personnel were instructed of the importance of following proper unit shutdown procedures	7/18/2013
8/4/2013	CD Flaring	the fractionator overhead temperature control scheme was adjusted to help maintain higher temperature on the overhead during this type of situation to allow heavier material to flow to the overhead accumulator so as not to vapor up the pumps	8/15/2013
2/6/2014	CD Flaring	the 63PG-1 instrument system has been protected in a heated enclosure. Also, PSR is planning to replace the hydraulic oil solenoid on GTG2 during the 2014 maintenance turnaround and to eliminate the liquid fuel capability during the 2015 major turnaround. Regarding the ECB1 trip, the control system has been modified to prevent this type of fuel gas trip from reoccurring	This corrective action will be finalized during the turnaround planned for 2015
4/30/2014	CD Flaring	the auto-start system on 4BG30A will be repaired	9/22/2014